



**Navigating the Landscape of Scientific Integrity: Insights into open science,
replicability, data sharing and questionable research practices
in the field of medicine**

Workshop organized by
Prof. Dr. Anne-Laure Boulesteix and Dr. Sabine Hoffmann (LMU)

27 and 28 November 2024

Wednesday, 27 November 2024

- 9.00 - 9.20 Welcome Address
Lena Bouman (CAS LMU) and **Sabine Hoffmann** (LMU)
- 9.20 - 10.10 **Reinhard Griebenow** (European Cardiology Section Foundation)
Trust in Medicine
- 10.10 - 11.00 **Balazs Aczel** (ELTE Budapest)
The World of Multiple Results: What Multi-Analyst Studies Tell Us
- 11.00 - 11.30 *Coffee Break*
- 11.30 - 11.45 **Eva Hoster** (LMU)
Reproducible Clinical Trials: Practices and Challenges
- 11.45 - 12.00 **Fady Albashiti** (LMU)
Clinical Real World Data: Experiences and Challenges
- 12.00 - 12.15 **Rainer Malik** (LMU)
Lessons Learned from Large International Genomics Consortia
- 12.15 - 12.45 Discussion
- 12.45 - 13.45 *Lunch Break*
- 13.45 - 14.35 **Leonhard Held** (Universität Zürich)
The Different Dimensions of Irreproducible Research - Some Recent Examples
- 14.35 - 15.05 **Michael Schomaker** (LMU)
Comparing Apples with Apples and Allowing for Gradations of Evidence:
Replicability Illustrated in the Context of Pharmacoepidemiology
- 15.05 - 15.35 *Coffee Break*

- 15.35 - 15.50 **Luisa Jimenez Soto** (LMU)
From 20th-Century Science Practices to Open Science in Infection Biology:
Challenges and Lessons We Are Learning
- 15.50 - 16.05 **Michael Ingrisch** (LMU)
A Replication Case Study
- 16.05 - 16.20 **Enzo Lüsebrink** (LMU)
TITEL tba
- 16.20 - 17.00 Discussion
- 17.00 - 18.00 *Reception*

Thursday, 28 November 2024

- 9.00 - 9.50 **Ulrich Mansmann** (LMU)
From Reporting to Data Sharing: "Strategies to Consolidate Scientific
Findings"
- 9.50 - 10.40 **Sarah Friedrich** (Universität Augsburg)
Synthetic Data in Medicine - Properties, Promises and Challenges
- 10.40 - 11.10 *Coffee Break*
- 11.10 - 12.00 **Jörg Drechsler** (LMU)
Some Challenges with Differential Privacy in Medicine (That Don't Exist in
the Tech World)
- 12.00 - 12.30 Discussion Data Sharing
- 12.30 - 13.30 *Lunch Break*
- 13.30 - 14.20 **Laure Wynants** (Maastricht University)
Clinical Risk Prediction Models and Machine Learning. Benefiting Clinical
Practice or Piling up Research Waste?
- 14.20 - 15.10 **Willi Sauerbrei** (Universität Freiburg)
Guidance for Analysis, Study Registration and Structured Reporting -
Factors which Increase Trustworthiness in Results from Observational
Studies
- 15.10 - 15.40 *Coffee Break*
- 15.40 - 16.30 **Michal Abrahamowicz** (McGill University)
Examples of Irresponsible and/or Incompetent Reviews of the
Methodological Aspects of Medical Studies
- 16.30 - 17.20 **Tim Morris** (University College London)
Estimands, Analysis Plans, Sense and Sensitivity

17.20 - 17.30 Wrap-up and Closing

Anne-Laure Boulesteix (LMU)